

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled)
2. (Currently Amended) A method to heat-treat a substrate coated with a coating solution which oxidizes at a high temperature, said method comprising the steps of:
 - (a) lowering an oxygen concentration of a treatment atmosphere by replacing the treatment atmosphere with inert gas when a temperature of the substrate is lower than the temperature at which the coating solution oxidizes;
 - (b) heat-treating the substrate in the treatment atmosphere of which the oxygen concentration has been lowered so as not to cause oxidation to the coating solution; and
 - (c) returning the treatment atmosphere to that with the original oxygen concentration after completing said heat treatment and cooling the substrate to a temperature lower than the temperature at which the coating solution oxidizes.
3. (Original) The method as set forth in claim 2,
wherein said step (c) returns the treatment atmosphere to that with the original oxygen concentration after the passage of a predetermined time from the completion of said heat treatment.
4. (Original) The method as set forth in claim 2,
wherein the coating solution is an organic coating solution.
5. (Canceled)
6. (Previously Presented) The method as set forth in claim 2,
wherein the step (c) exposes the substrate to air after the passage of a predetermined

time from the completion of said heat treatment.

7. (Original) The method as set forth in claim 2,

wherein said step (c) returns the treatment atmosphere to that with the original oxygen concentration when the temperature of the substrate becomes lower than a predetermined value.

8. (Previously Presented) The method as set forth in claim 2,

wherein said step (c) exposes the substrate to air when the temperature of the substrate becomes lower than a predetermined value.

9-24. (Canceled)

25. (Currently Amended) A method to heat-treat a substrate coated with a coating solution which oxidizes at a high temperature, said method comprising the steps of:

(a) lowering an oxygen concentration of a treatment atmosphere by replacing the treatment atmosphere with inert gas when a temperature of the substrate is lower than the temperature at which the coating solution oxidizes while the substrate is being held on support pins capable of appearing and disappearing from and into a holding and heating member for supporting the substrate apart from the holding and heating member;

(b) heat-treating the substrate in the treatment atmosphere of which the oxygen concentration has been lowered so as not to cause oxidation to the coating solution; and

(c) returning the treatment atmosphere to that with the original oxygen concentration after completing said heat treatment and cooling the substrate to a temperature lower than the temperature at which the coating solution oxidizes.

26. (Currently Amended) A method to heat-treat a substrate coated with a coating

solution which oxidizes at a high temperature, said method comprising the steps of:

(a) lowering an oxygen concentration of a treatment atmosphere by replacing the treatment atmosphere with inert gas when a temperature of the substrate is lower than the temperature at which the coating solution oxidizes;

(b) heat-treating the substrate held on a supporting and heating member ~~via~~ having support pins capable of appearing and disappearing from and into the holding and heating member in the treatment atmosphere of which the oxygen concentration has been lowered so as not to cause oxidation to the coating solution; and

(c) returning the treatment atmosphere to that with the original oxygen concentration after completing said heat treatment and cooling the substrate to a temperature lower than the temperature at which the coating solution oxidizes.

27. (Currently Amended) A method to heat-treat a substrate coated with a coating solution which oxidizes at a temperature, said method comprising the steps of:

(a) lowering an oxygen concentration of a treatment atmosphere by replacing the treatment atmosphere with inert gas when a temperature of the substrate is lower than the temperature at which the coating solution oxidizes;

(b) heat-treating the substrate in the treatment atmosphere of which the oxygen concentration has been lowered so as not to cause oxidation to the coating solution; and

(c) returning the treatment atmosphere to that with the original oxygen concentration after completing said heat treatment and cooling the substrate on a cooling plate to a temperature lower than the temperature at which the coating solution oxidizes, the substrate being apart from the cooling plate by supporting pins disposed adjustably in height on the cooling plate.